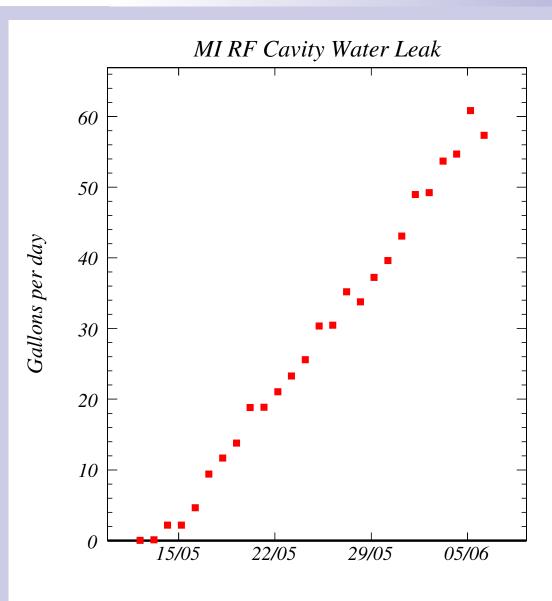




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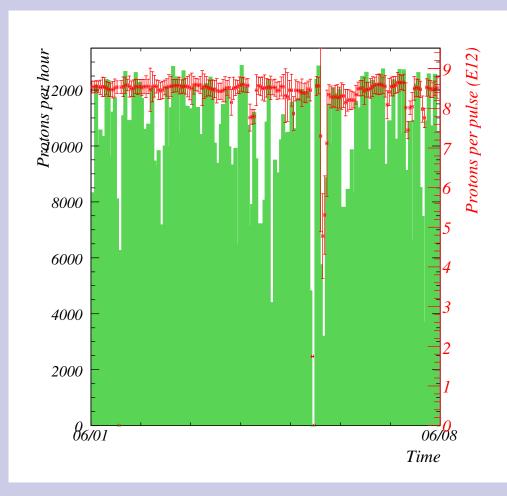
### Water Leak

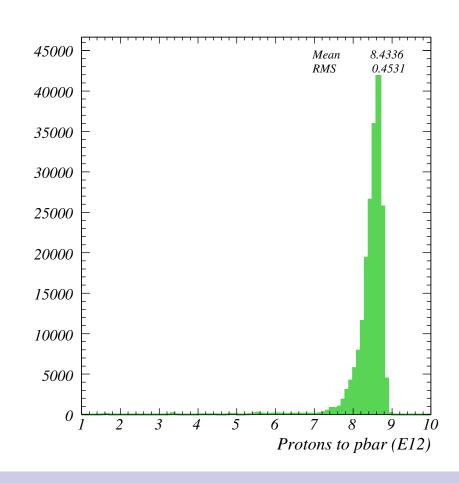


- Water leak is steadily getting worse
- Both cavity and main MI LCW systems topped off last night
- Top off cavity system again at close of play today—should last till Monday morning
- Currently takes 4 days to completely drain the system
- ▶ In a week, it will take 3 days
- Need to fix next week!

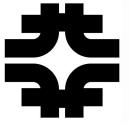


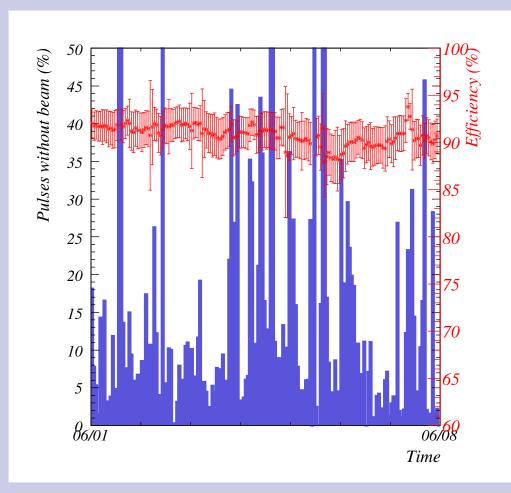


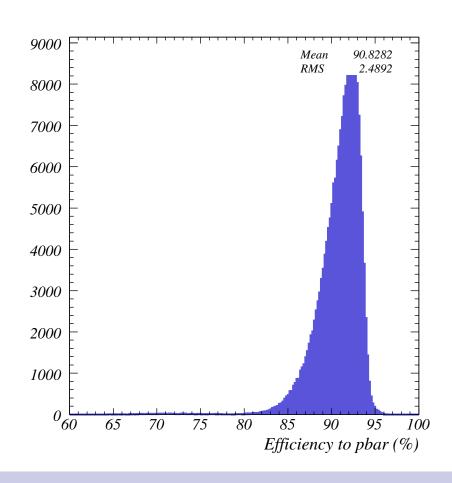




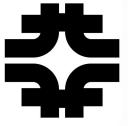


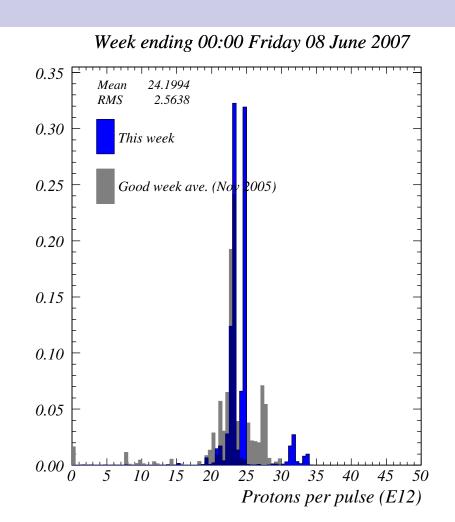




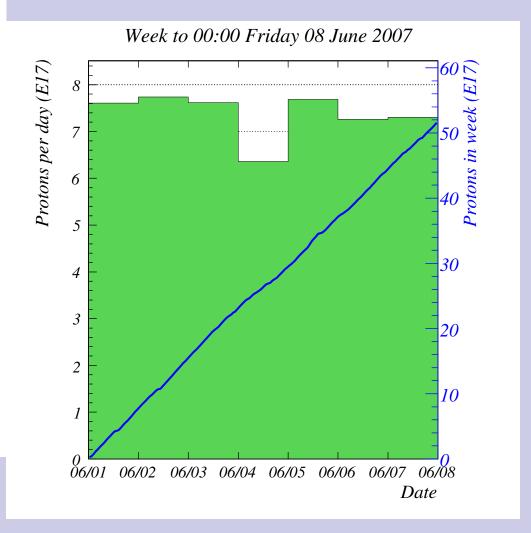


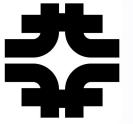






#### Down a turn second half of week (Booster RF)





# Access Jobs

- Change permit arrangement at MI8 (for collimator aborts)
- Fix RF water leak
- Inspect and measure for new beam pipe pieces
- Rad survey
- Tunnel tour / several "go and look" jobs



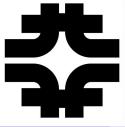
## **Studies**

- 11-batch slip-stacking (Seiya)
  - ⇒ Studies continued, and will continue
- \$2A de-accumulation (Morris)
  - ⇒ New \$2A ramp ready to go
  - ⇒ Wait for a day-time shot setup on a non-Friday
- ▶ 11-batch mixed-mode to pbar and NuMI targets (all)
  - ⇒ Study for a couple of hours to make sure things work
  - ⇒ One iteration completed—able to run at 8 turns (stacking 15-16 mA/h) but no higher, due to losses in AP1.
  - ⇒ Improve things with \$2E study, then ask for another one.
  - ⇒ Want to run in this mode for a week well before the shutdown.



## **More Studies**

- MI8 collimator studies (Brown)
  - ⇒ Small amount of scraping, parasitic
- MI ring collimator study (Johnson, Yang, Brown)
  - $\Rightarrow$  2 hours with a 0.5s \$2E every 15-20s
  - ⇒ Measure loss distribution from primary collimator, compare with simulation
  - ⇒ Data analysis underway
- Barrier stacking (Chou, Wildman)
- ▶ 150 GeV lattice measurements (Yang)





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